

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of Claims:**

Claims 1- 24 (Cancelled).

25. (Currently amended) An antigen binding protein which binds VASP (vasodilator-stimulated phosphoprotein) as antigen only when VASP is present in phosphorylated form, and

wherein the VASP is phosphorylated at position serine 157 or  
wherein the VASP is phosphorylated at position serine 239 (phosphoserine  
239 VASP) and

wherein said VASP is in the natural form or is a functionally equivalent moiety, mutant, fragment or variant thereof and

wherein the antigen binding protein is a monoclonal antibody (Mab) or fragment thereof.

26. (Cancelled)

27. (Cancelled)

28. (Cancelled)

29. (Currently amended) The antigen binding protein of claim 4 25, wherein the monoclonal antibody or the fragment thereof is a synthetic or recombinant protein.

30. (Currently amended) The antigen binding protein of claim 4 25, wherein the fragment of the monoclonal antibody is a ~~natural, synthetic or recombinant~~ F(ab)<sub>2</sub>', Fab, Fab' or Fv fragment.
31. (Currently amended) A hybridoma cell line which produces an antigen binding protein which recognizes VASP as antigen only when VASP is present in phosphorylated form, and  
wherein the VASP is phosphorylated at position serine 157 or  
wherein the VASP is phosphorylated at position serine 239 (phosphoserine  
239 VASP) and  
wherein said VASP is in the natural form or is a functionally equivalent moiety, mutant, fragment or variant thereof and wherein the antigen binding protein is a monoclonal antibody (Mab) or fragment thereof.
32. (Cancelled)
33. (Cancelled)
34. (Cancelled)
35. (Previously presented) The hybridoma cell line of claim 31, wherein the monoclonal antibody or the fragment thereof is a synthetic or recombinant protein.
36. (Currently amended) The hybridoma cell line of claim 31, wherein the fragment of the monoclonal antibody is a ~~natural, synthetic or recombinant~~ F(ab)<sub>2</sub>', Fab, Fab' or Fv fragment.

37. (Currently amended) A diagnostic kit, comprising an antigen binding protein which recognizes VASP as antigen only when VASP is present in phosphorylated form, and

wherein the VASP is phosphorylated at position serine 157 or wherein the VASP is phosphorylated at position serine 239 (phosphoserine 239 VASP) and

wherein said VASP is in the natural form or is a functionally equivalent moiety, mutant, fragment or variant thereof and wherein the antigen binding protein is a monoclonal antibody (Mab) or fragment thereof.

38. (Cancelled)

39. (Cancelled)

40. (Cancelled)

41. (Previously presented) The diagnostic kit of claim 37, wherein the monoclonal antibody or the fragment thereof is a synthetic or recombinant protein.

42. (Currently amended) The diagnostic kit of claim 37, wherein the fragment of the monoclonal antibody is a ~~natural, synthetic or recombinant~~ F(ab)<sub>2</sub>', Fab, Fab' or Fv fragment.